



THE CITY OF SAN DIEGO

Indirect Potable Reuse

Reservoir Augmentation Demonstration Project (IPR/RA)

FACT SHEET



Recycled Water

A water resource strategy that includes conservation, recycled water and groundwater supplies will help meet future water needs.



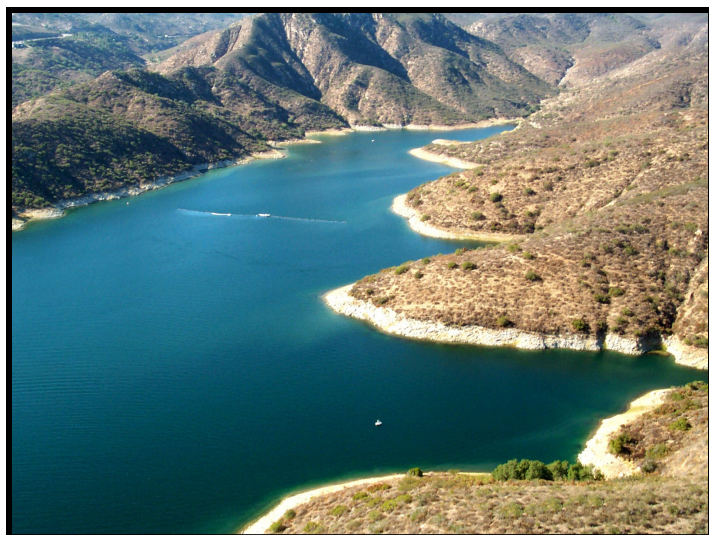
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Long Range Planning &
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Objective

The City is implementing a Demonstration Project to evaluate the feasibility of using advanced water treatment on recycled wastewater for augmentation of supplies in a local reservoir. Reservoir water would undergo further treatment before being distributed as drinking water. The treatment system will be operated for at least one year to satisfy California Department of Public Health requirements. During this time, the advanced treated water will be frequently tested to determine the effectiveness of the treatment equipment in removing contaminants; the equipment will be monitored for flow-and overall performance; operating data will be gathered and analyzed to refine operation and maintenance estimates for a full-scale system; tours will be conducted as part of the public outreach effort; and a study of the San Vicente Reservoir will be conducted to establish residence time and water quality parameters of the advanced treated water in the reservoir.

The Demonstration Project will also:

- Define the regulatory requirements of a full-scale project;
- Perform a pipeline alignment study; and,
- Conduct a public outreach and education program.



San Vicente Reservoir capacity is presently being expanded from 90,000 to 247,000 acre-feet.

The Demonstration Project will provide the technical, environmental, public outreach and stakeholder involvement, regulatory and funding requirements necessary to implement a full-scale project.

Benefits

- Provide a locally-controlled drought-proof supply of high quality water to over half the region's residents
- Increase recycled water use in the region
- Provide a supply of water with a smaller environmental footprint (including lower carbon emissions) than imported or desalinated water.

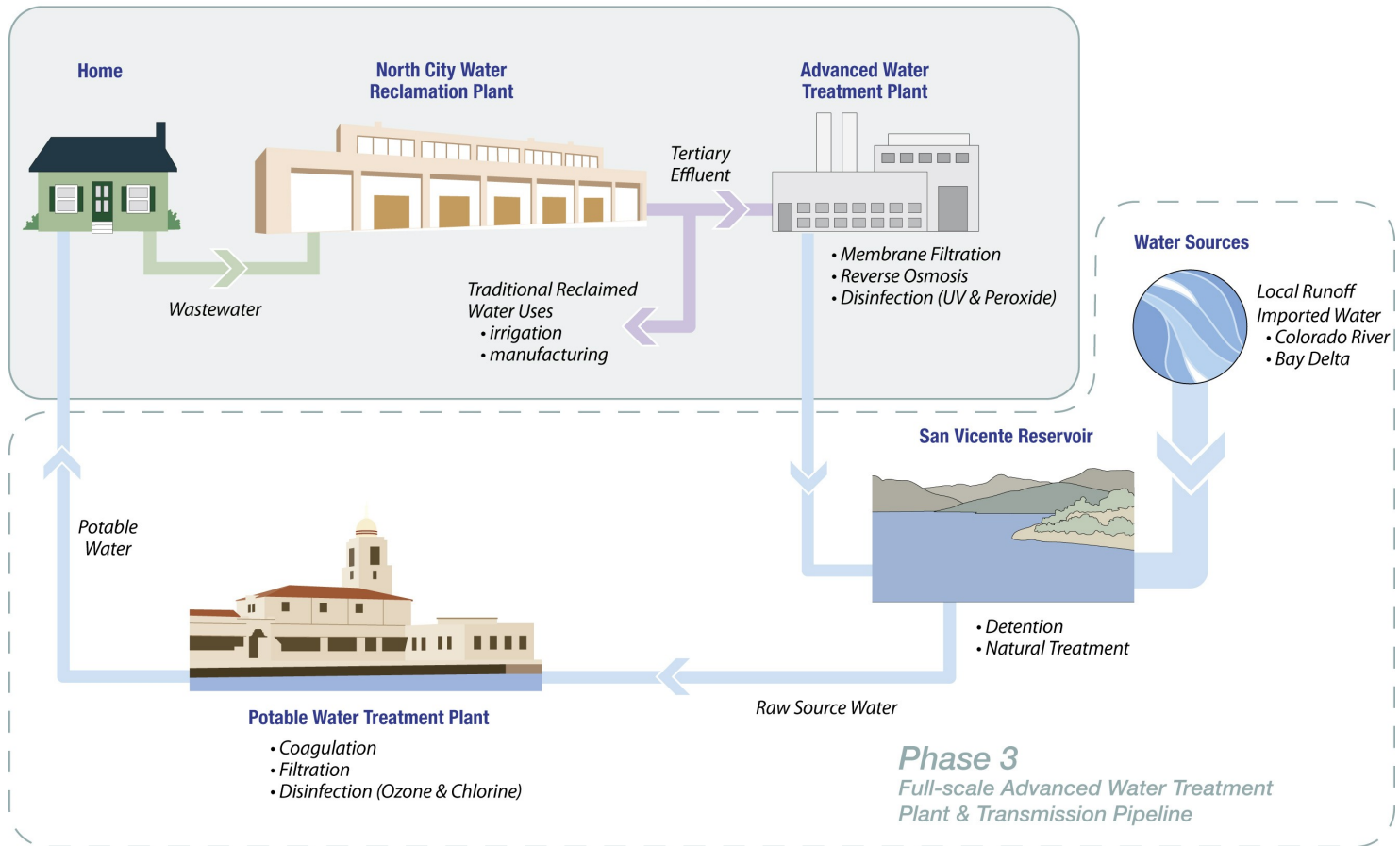
Budget and Funding

The total estimated cost of the Demonstration Project is \$11,811,000. Grant funding for this project totals \$3,970,000. This project is included in the San Diego Integrated Regional Water Management (IRWM) Plan and has secured funding of \$1,072,835 from a California Department of Water Resources Proposition 50 IRWM grant. The remaining \$2.8 million comes from a grant provided by the Bureau of Reclamation. In November 2008, the City Council approved a temporary water rate increase to fully fund the Demonstration Project. This rate increase went into effect on January 1, 2009.

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City of San Diego's Indirect Potable Reuse Reservoir Augmentation Process

Phase 2 Demonstration Scale Project



Multi-Barrier Treatment Steps

